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REPORT

OF

THE COMMISSIONER OF PATENTS,

In relation to the operations of that office during the year 1837.

JANUARY 17, 1838.

Referred to the Committee on Patents and the Patent Office, and ordered to be printed; and that 1,500 additional copies be furnished for the use of the Senate.

PATENT OFFICE, *January 1, 1838.*

SIR: In obedience to the law for promoting the progress of science and useful arts, the Commissioner of Patents would respectfully report:

That, during the year 1837, *four hundred and thirty-five patents* have been issued from the Patent Office, of which classified and alphabetical lists are annexed, marked A and B.

That, during the same period, *one hundred and sixty-eight patents* have expired and become public property, as by list annexed, marked C.

That the receipts for patents, caveats, disclaimers, improvements, and copies for the year, amount to *twenty-nine thousand two hundred and eighty-nine dollars and eight cents*, from which may be deducted *three thousand three hundred and twenty dollars*, paid on applications withdrawn, as by statement annexed, marked D.

That the payments made for the restoration of models, records, and drawings, consumed by the late fire, amount to *ten thousand seven hundred and five dollars and fifteen cents*, as exhibited in the statement marked E.

That the ordinary expenditures of the office have been *nineteen thousand four hundred and eighty-one dollars and eighty-three cents*, as by account marked F. These expenses have been increased for the year 1837, by the purchase of furniture, record-books, &c., destroyed in the fire of December, 1836.

The utmost economy has been used in replacing these articles, and no more have been procured than were indispensably necessary. The furniture has been selected with reference to the new building, when the same shall be completed and fit for use.

The number of patents issued during the year 1837 is less than in some preceding years. This is to be attributed chiefly to the operation of the new law, which subjects all applications for patents to a careful examination as to the originality of the invention claimed. Power is given to the Commissioner to refuse a patent, if the invention is not deemed sufficiently useful; but this power is seldom exercised, and is confined to cases where

the patent may be in some way injurious, the improvement frivolous, or where an attempt is made to avoid a prior patent. It is the intention of the Commissioner to err, (if at all,) on the side of liberality, leaving the parties affected to the courts to contest their doubtful rights. About one-third of the applications made have been rejected, and very few pass without important alterations. In all cases of rejection, an appeal can be made from the decision of the Commissioner; but no such appeal has yet been taken.

The destructive fire in December, 1836, has occasioned unavoidable delay in discharging the duties of the office. The undersigned, however, has the satisfaction to state that, by great exertions, the regular business is nearly brought up; but that, to accomplish this, he has been compelled to employ some extra assistance.

The business of the office has increased, and will doubtless continue to increase with the growth of the country; and the present number of clerks is inadequate to perform all the duties appertaining to patents. I would also remark that the preparation of copies for judicial purposes, as well as other duties, often requires despatch. If the Commissioner were authorized to employ temporary aid in such emergencies, allowing no more compensation than is established by law, this authority would prevent such frequent interruption of the regular clerks, and secure the public against claims for services not performed.

The labor of the clerks employed in this office has, for the most part, been severe, as much so as that of those who were embraced in the compensation act of last session; and I deem it but just to suggest their equal claim to the additional per centage which, by that act, was granted to others.

The revenue of the office will meet all its necessary disbursements, and it is highly desirable that its business be performed without delay.

Considerable progress has been made in restoring the lost models and records, in conformity with the act of Congress for that purpose. Some of the most valuable of the models have been restored, and others contracted for. The collection already made is becoming interesting, and shows a great improvement in their construction.

The commissioners appointed to designate those models which are the most important, and the compensation to be given for the same, have adopted measures to accomplish this object. Notices on this subject have been published in almost all the newspapers in the Union.

The present accommodations do not furnish suitable protection to the models. Hence, many of the best cannot be exhibited until suitable cases are provided for them in the new building, and patentees feel unwilling to send their models until better accommodations are furnished, where the same can be preserved.

Each patentee (and the number exceeds ten thousand) has been addressed, personally, through the post office of the place where he resided when the patent was issued. Many, undoubtedly, in consequence of a change of residence, will fail to receive the communication; but since no patent granted before the fire can be given in evidence, without being first recorded anew, this restriction will probably secure the return of the most important. Improvements offered on former patents will, in many cases, require the furnishing of models of old inventions; and, in a short time, the most valuable records, it is hoped, will be restored.

Two thousand patents have been restored and recorded anew since January last. The drawings of many of these have been executed by persons in this office, in a style and manner which reflect much credit on the skill of the draughtsmen. They form, already, a valuable collection.

Among the losses occasioned by the fire, most deeply regretted, was the destruction of all the papers deposited by Robert Fulton. His drawings were executed by his own hand, and formed an interesting part of the records of American genius, establishing for our country the honor of the first successful and practical employment of steam in navigation. This loss has been considered irreparable. I am happy, however, to state, that correct duplicates can doubtless be procured. The fame of Fulton attracted the attention of a foreign Government, for whom, on application therefor, complete copies of his drawings, and transcripts of specifications, and other papers deposited in this office, were made and transmitted to London, where, it is presumed, copies may be obtained to supply the place of the originals. Measures will immediately be taken to accomplish that object.

The necessity of a library of scientific works, to facilitate the discharge of the duties of the office, needs only to be mentioned to be duly appreciated. Under the former law, no examination as to the originality of inventions was made, and duplicates and triplicates of the same thing were often patented. The public were subjected to daily impositions, and the first inventors were driven into courts to maintain their rights. Now, each application undergoes a careful examination; it must be compared with caveats already filed, with other pending applications, with patents issued in this country and abroad, and also with the published inventions of the whole world. English, French, and German books must be at the command of the office, in order to make the proper examinations. Fifteen hundred dollars were accordingly appropriated, in the year 1836, for works, to be purchased under the sanction of a committee.

This appropriation was designed to add to the existing library; but *that* library, with such books as had been already purchased, was unfortunately consumed. It therefore became necessary to use the remainder of that appropriation to replace books which were on hand before the fire, and to furnish others which were most needed. Additional works of the kind contemplated when the appropriation was made, are greatly wanted, to aid in considering applications for patents. Persons who offer their inventions to be secured by patent, can hardly be satisfied that others have gone before them in the same inventions, and nothing but the inspection of models and drawings which prove the fact, can ever induce them to relinquish the fond expectations of months or even years. As the receipts of the office will allow an annual appropriation for a library, such appropriation is respectfully recommended.

The destruction of the Patent Office compelled the Commissioner to seek new accommodations, and an arrangement was accordingly made, with the approbation of the honorable Secretary of State, for the use of a part of the city hall, where fire proof rooms were found, adapted to the purpose. Every facility on this subject has been afforded by the city authorities, and no rent is required or expected. Some alterations were requisite to accommodate both the corporation and the Patent Office; for these, pecuniary remuneration is justly due, and the undersigned respectfully recommends that measures be adopted to satisfy this claim.

The records destroyed contained an alphabetical as well as classified

digest of all the patents granted by the United States. A new record has been nearly completed from sundry authentic documents, with an improved classification. Several copies will be needed for reference in the Patent Office; and since printed duplicates will be cheaper than manuscripts, I here respectfully suggest the propriety of an appropriation for publishing a new edition as soon as practicable. The expediency of distributing a number of copies to the respective States, is also suggested. This would enable those interested to obtain information with less delay to themselves, and much less interruption to the regular business of the office.

It is worthy of remark, that the provisions of the late law authorizing the reception of unpatented models and specimens of manufactures, will do much to increase the collection at the Patent Office. No exhibition in Europe, it is believed, can surpass that which will be found, in process of time, in the building now in a course of preparation for this establishment. The beautiful collections of manufactured articles at the temporary fairs of our large cities, may give a faint idea of that great gallery of arts and manufactures, which will thus be permanently opened at the seat of Government, where all that is new and interesting will be added from year to year, and carefully preserved. Interest and patriotism will combine to multiply the articles deposited. The exhibition will be continually increasing in beauty and utility; and all this, so honorable and advantageous to the country, will be accomplished without any other expense to the public than the trifling charge of transportation from the place of manufacture. The Patent Office has been greatly subservient to the promotion of the arts and sciences, and its late reorganization will extend, in a much higher degree, its usefulness. Without the encouragement of the patent laws, few inventions would become practically useful; by this encouragement, a stimulus is given to talent and ingenuity, and the result of human effort seems almost incredible. The inventions of the day have proverbially overcome time and space. The numerous manufactories spread over all the country attest the patronage they have received from Government.

Of late, inventors have directed their attention, with peculiar interest, to the improvement of the implements of *agriculture*; and many labor-saving machines have been patented, which are of the highest utility to the husbandman. These are rapidly increasing, and it is scarcely possible to conjecture to what extent the labor of the agriculturist may be diminished, and the products of the country increased, by these improvements. Already, the process of sowing, of mowing, and of reaping, is successfully performed by horse power; and inventors are sanguine in the belief, (and probably not without reason,) that the time is not far distant when ploughing machines will be driven by *steam*, and steam power applied to many other operations of the husbandman. Implements of this kind will all be collected and exhibited at the Patent Office; and, from the resort of thousands to the seat of Government during the session of Congress, a knowledge of their use and practical application will be extended over the whole country. A subject intimately connected with this, is the aid which husbandry might derive from the establishment of a *regular system* for the *selection* and *distribution* of *grain* and *seeds* of the choicest varieties for agricultural purposes.

For commerce and manufactures, much has been done; for agriculture, the parent of both, and the ultimate dependance of the nation, much remains to be done. Husbandry seems to be viewed as a natural blessing that needs no aid from legislation; like the air we breathe, and the element of water

which sustains life, the productions of the soil are regarded by too many as common bounties of Providence, to be gratefully enjoyed, but without further thought or reflection. Were the two former susceptible of the same improvement with the latter, who would not rejoice to enrol his name high on the list of philanthropists, by making the first experiment? This subject has been forced on the attention of the undersigned by those who are engaged in improving our implements of husbandry. The Patent Office is crowded with men of enterprise, who, when they bring the models of their improvements in such implements, are eager to communicate a knowledge of every other kind of improvement in agriculture, and especially new and valuable varieties of seeds and plants; hence, the undersigned has been led to receive and distribute, during the last two years, many articles of this kind, which have been committed to his care; and experience has induced him to believe that there is no spot in the Union so favorable to this object as the seat of Government.

The great desideratum, at the present time, seems to be, that some place should be designated and known as the depository of all articles of this kind, and from whence they may be dispensed to every part of the United States.

Our citizens who are led by business or pleasure into foreign countries, and especially the officers of our navy, and others in public employment abroad, would feel a pride in making collections of valuable plants and seeds, if they could be sure of seeing the fruits of their labors accrue to the benefit of the nation at large; but, hitherto, they have had no means of distributing, to any extent, the valuable productions of other climates, which patriotism or curiosity has led them to introduce into our country. To a great extent, they have perished on their hands, for want of some means of imparting to the public the benefit they had designed to confer. Those who have not considered the subject in its wide details, are very imperfectly qualified to judge of its importance.

The introduction of a new variety of wheat promises the most gratifying results, in securing that important and indispensable production from the destructive effects of our severe winters.

A short time since, the most eastern State of our Union was, in a measure, dependant on others for her breadstuffs. That State is now becoming able to supply its own wants, and will soon have a surplus for exportation; and this is effected by the extensive introduction of *spring wheat*. Among the varieties of this wheat, however, there is great room for selection; there is at least 20 per cent. difference, if regard is paid to the quality and quantity of the crop.

From experiments made the last summer, there can be no doubt that the crop of Indian corn may be improved at least one-third, without any extra labor, and this effected by a due regard only to the selection of seeds.

And here it may be mentioned, that an individual has devoted twenty-five years to this single object, and, from our common Indian corn, has produced a new variety, which, if distributed as it ought to be, may prove a great benefit to the husbandman and to the country.

From the samples transmitted to the Patent Office, especially from the shores of Lake Superior, there is a moral certainty of a good crop of corn in the higher latitudes, if proper attention is paid to the selection of seeds. Inattention to this subject has lost, to the northern portion of our Union, many millions every year.

The quantity of flour (wheat or other kind) consumed in the United States, is estimated, on the highest authority, at five thousand five hundred millions of pounds; one-half of this is supposed to be wheat, which, at three cents per pound, amounts to over eighty millions of dollars; and the remainder, at one and a half cent only, amounts to over forty millions. If to this is added the vast quantity distilled, and employed in the arts, and consumed by domestic animals, a conception may be formed of the importance of our crop of grain. If, then, the quantity should be increased only 10 per cent. by improving the seed, the annual gain to the country from this source alone, would not be less than from fifteen to twenty millions of dollars. It is unnecessary to carry out this estimate to the other productions of the vegetable kingdom; the result would be the same in all. *The well directed efforts of a few years, might give to this generation what would not otherwise be enjoyed in the present century.*

It may not be improper to add, that if this nation should desire to make her metropolis the seat of science and the arts, this might be easily accomplished. The collections of mineralogical specimens from every section of our widely extended territory, will, it is believed, furnish a most interesting exhibition, illustrative of the geology of the country, and of its mineral resources.

The natural and practical sciences, as well as the arts, have usually found their best patron in the munificence of a wise Government. An apartment in the new building could be appropriated to the above object, in connection with an agricultural depository.

The undersigned will be pardoned for offering these considerations in favor of agriculture, as they have been forced upon him in the discharge of his official duties, and as Congress has required him to make such suggestions respecting the interests committed to his care, as may seem important to the public good. He will continue to do all in his power to promote the secondary, though important, object, which has thus become, in some degree, connected with the Patent Office, in the full belief that Congress will find it for the public interest, either now or at some future period, to give a more definite character to the measures which have thus been commenced for this most important object.

Very respectfully,

Your obedient servant,

HENRY L. ELLSWORTH,

Commissioner of Patents.

Hon. R. M. JOHNSON,

President of the Senate.

CLASS I. AGRICULTURE, INCLUDING INSTRUMENTS AND OPERATIONS.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Cradle for cutting hemp	Wilson L. Larimore	Paris, Ky.	April 25
Cotton plants, machine for thinning	John Weaving	Washington, D. C.	July 5
Corn, machine for husking	Jonathan Cutler	Putney, Vt.	July 31
Clover seed, thrashing	Jonathan Brooks	Brownburg, Va.	December 15
Clover seed, hulling of	William M. Barton	Cheeks Cross Roads, Va.	December 20
Garlic, separating from grain	Henry Slaub	Shepherdstown, Va.	November 11
Hay, machine for elevating	George Wilbur	Macedon, N. Y.	July 17
Lime, &c., machine for spreading	Francis H. Smith	Baltimore, Md.	July 5
Lime, &c., spreading and sowing	Levi Rice	Chester, Penn.	August 31
Mowing and reaping grain, &c.	Alexander M. Wilson	Rhinebeck, N. Y.	Renewed June 10, patented Dec. 30, 1835
Plough, improvement in	Bancroft Woodcock	Mount Pleasant, Penn.	June 14
Plough, improvement in	Samuel Hartpence and John D. Bowne	Kingwood, N. J.	July 5
Plough, improvement in	John C. Smith	Do.	July 11
Plough, improvement in	Job B. Norton	Philadelphia, Penn.	July 17
Plough, self-sharpening	Isaac Snider	Mount Pleasant, Penn.	July 29
Plough, improvement in	John Deats	Roxbury, N. J.	July 31
Plough, improvement in	Bancroft Woodcock	Mount Pleasant, Penn.	November 14, re- issued Nov. 23
Plough, improvement in	Stephen McCormick	Auburn, Va.	December 1

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Rake, in the revolving hand	Stephen Coats	Shoreham, Vt. -	April 17
Rice, hulling and scouring	Charles H. Harvey and Erastus Tracy	Poughkeepsie, N. Y. -	May 30
Rake, horse	David Dewey -	Poultney, Vt. -	November 23
Scythe snath	Dexter Pierce -	Montague, Mass. -	March 11
Straw cutting machine	Henry Silliman	Perry Village, N. Y. -	March 30
Separating wild peas, &c., from grain	Lester Butler -	Cobleskill, N. Y. -	June 3
Smut machine	Charles D. Childs	Mount Morris, N. Y. -	August 15
Smut from wheat, separating	Benjamin M. Smith	Rochester, N. Y. -	September 8, ante- dated Aug. 1
Thrashing and winnowing grain	Moses Davenport	Phillips, Mass. -	November 23
Thrashing and cleaning grain	John A. Pitts and Hiram A. Pitts -	Winthrop, Maine -	Dec'r 29, ante- dated June 29
Winnowing, cleaning, &c., grain	Markwell Thomas	Alfred, Maine -	May 30
Yoke for horses and oxen	Gideon Hotchkiss	Windsor, N. Y. -	August 31
CLASS II. MANUFACTURE OF FIBROUS AND TEXTILE SUBSTANCES, INCLUDING THE MACHINES FOR PREPARING AND MANUFACTURING THE FIBRES OF COTTON, WOOL, SILK, &C.			
Bodies to hats of fur, making	Henry A. Wells, James James, & R. W. Peck	Brooklyn, N. Y. -	September 20
Breaking and cleaning flax and hemp	David M. Longley and Samuel Davis -	Westbrook, Maine -	September 21

Batting or web for hat bodies	-	Henry A. Wells and Robt. W. Peck	Brooklyn, N. Y.	September 22
Cleaning burrs from wool, &c.	-	Erastus Tracy	Poughkeepsie, N. Y.	December 20
Cotton gin	-	Alexander Jones	New Orleans, La.	April 25
Ginning cotton	-	John Stevens	Poughkeepsie, N. Y.	November 25
Ginning cotton	-	Lucilius H. Mosely	Poughkeepsie, N. Y.	November 25
Hat bodies, manufacture of	-	Hugh Moore	City of New York	April 20
Hat bodies, batting or web for	-	Thomas Blanchard	City of New York	June 14
Hemp and flax, breaking	-	John Warren	Westbrook, Maine	June 14
Hemp, machine for hackling	-	Phineas G. Rice and Gabriel Rice	Danville, Ky.	July 11
Hemp and flax, breaking	-	Harvey Lull	Ithica, N. Y.	June 14
Hemp and flax, breaking and dressing	-	Chapman Warner, Abraham T. Mixell, and Edwin J. Horn	Belvidere, N. J.	July 31
Hemp and flax dressing machine	-	William Brittain and Robert Brittain	Arnwell, N. J.	October 12
Hair seating, weaving of	-	Charles R. Hervey	Poughkeepsie, N. Y.	November 25
Knitting machine	-	John McMullen and Joseph Hollen, jr.	Sinking Valley, { Penn. Logan's Valley, }	February 11
Lace, power loom for weaving	-	Erastus B. Bigelow	West Boylston, Mass.	April 20
Loom for weaving fabrics	-	Christian W. Shonherr	Subject King of Saxony	May 8, antedated March 21
Loom, common crank power	-	Enoch Burt	Manchester, Conn.	August 8, antedated Feb. 10
Loom, figure power	-	William Crompton	Taunton, Mass.	November 25
Shuttle tongue for securing top of woof	-	Comfort B. Thorp	Smithfield, R. I.	April 17
Spinning woollen roving	-	Edgar M. Titcomb	Andover, Mass.	July 29
Saw cylinder for cotton gins	-	Jacob Idler	Philadelphia, Pa.	December 1
Thread waste, reducing to cotton wool	-	Ogden Griswold	Hartford, Conn.	July 17
Temples, self-adjusting, for looms	-	Samuel P. Mason	Newport, R. I.	July 22

Inventions or discoveries.	Patentees.	Residence.	When issued.
Thread, waste, reducing to cotton wool	William Gray -	Hebron, Conn. -	July 29
Teazling and napping cloth -	Benjamin Swazey -	Mount Vernon, Vt. -	August 8
Thread going to waste, &c., preventing -	John Golding -	Dedham, Mass. -	August 15
Treadles and harness for weavers -	Benjamin Hartford and William B. Tilton -	Enfield, N. H. -	December 29
Wool of burrs, &c., cleaning -	J. Wolcott, jr. and Charles W. Brown -	Roxbury, Mass. -	October 18
Yarn beam in the power loom, regulating the motion - - -	Welcome A. Potter -	Cranston, R. I. -	November 23

CLASS IV. GENERAL MANUFACTURE OF METALS AND INSTRUMENTS THEREFOR, INCLUDING SMITHS' FORGES, FURNACES,
AND IMPLEMENTS FOR CASTING; NAIL AND SCREW MACHINES, LOCKS, AND HARDWARE GENERALLY; CUTLERY AND
WORKING TOOLS, IN WHOLE, OR IN PART, OF METAL.

Bench and other vices -	Sinus Dean -	Utica, N. Y. -	February 16
Blow-pipe for blast furnaces -	John Barker -	Baltimore, Md. -	March 3
Brads and nails, machine for cutting -	Joseph Berry and Oliver P. Rand -	New Market, N. H. -	March 30
Bending tire of wheels -	Thomas C. Barton -	City of New York -	July 31
Cutting leather, machine for -	Levi N. Leland -	Grafton, Mass. -	September 28
Clamps used in shoe-making -	Richard Emans -	Mansfield N. J. -	October 6
Clasp and lock for mail bags -	Henry C. Jones -	Newark, N. J. -	October 23
Door plates, mode of making -	William C. Austin -	Greensville, Va. -	January 31

Drilling the tire of wheels	-	Thomas C. Barton	-	City of New York	-	July 31
Double-centred joints, butts, &c.	-	Egbert Hedge	-	Hartford, Conn.	-	November 23
Door springs	-	Thomas Thorpe	-	West Cambridge, Mass.	-	December 7
Furnace, concentrating, for smelting ores	-	George E. Sellers	-	Philadelphia, Penn.	-	April 20
Furnace, mode of applying the blast	-	John Barker	-	Baltimore, Md.	-	April 20
Furnaces, manufacturing shear steel, &c.	-	Simeon Broadmeadow	-	City of New York	-	April 5
Furnaces, smelting ore	-	Simeon Broadmeadow	-	City of New York	-	April 5
Fastenings for harness	-	Warner Hayden	-	New Milford, Penn.	-	January 21
Fastenings, combined spring	-	Philippe F. Hazard	-	Philadelphia, Penn.	-	July 11
Fastenings for window blinds	-	Elijah Jaquith	-	Brattleboro', Vt.	-	December 26
Fastenings for saddlebags, &c.	-	Alvin North	-	North Britain, Conn.	-	December 29
Glass knobs to metallic sockets, method of attaching	-	Enoch Robinson and G. W. Robinson	-	Boston, Mass.	-	October 20
Hold-back for sleds	-	James Andrews	-	Camden, Maine	-	February 16
Horse shoes, making	-	Barzillai Young and Samuel Titus	-	Brooklyn, Conn.	-	July 29
Iron or other ores, machine for washing	-	Frederick Fredly	-	Logan Township, Penn.	-	April 20
Iron, carbonating and smelting	-	Asa Whitney	-	Southfield, N. Y.	-	July 17
Joints for rules, double-centred	-	Lemuel Hedge	-	Hartford, Conn.	-	April 29
Locks for doors, &c., constructing	-	James M. Clory	-	City of New York	-	June 14
Locks for doors, &c., constructing	-	Turner Whitehouse	-	Boston, Mass.	-	September 8
Mortise latch for fastening doors	-	Charles S. Gay	-	Nashua, N. H.	-	September 28
Mortise latch for fastening doors	-	David N. Ropes	-	Portland, Maine	-	September 28
Rivets, machine for making	-	Levi Severance	-	Pittsburgh, Penn.	-	July 11
Screws of screw-beadsteads, machine for cutting	-	Palmer Williams	-	Towanda, Penn.	-	February 16
Spring for spring-seat saddle	-	Henry Sheets	-	Staunton, Va.	-	March 30
Spoke shave	-	Ira L. Beckwith	-	Quincy, Mass.	-	April 29
Screw cutting machine	-	Joseph Blackall	-	Albany, N. Y.	-	July 29
Smelting iron ores	-	Joseph Lyon	-	Pottsville, Penn.	-	July 31
Spring for shutting doors	-	Ithiel S. Richardson	-	Boston, Mass.	-	October 20
Secret safety lock	-	William Hobbs	-	Springfield, Mass.	-	December 20

Inventions or discoveries.	Patentees.	Residence.	When issued.
Wood screws, making and turning heads	Thomas W. Harvey	Poughkeepsie, N. Y.	March 25
Wire, machine for cutting and heading	Thomas W. Harvey	Poughkeepsie, N. Y.	March 25
Wood screws, machine for cutting	Jacob Sloat	Ramapo, N. Y.	March 30
	and Thos. Springsteen	Poughkeepsie, N. Y.	March 30
Window sash, spring for, upper sash	Henry Hammond	Lewisburg, Penn.	September 8
Wrought nails, machine for manufacturing	N. W. Bishop	Saybrook, Conn.	September 21
	and Simeon Brooks	Chester, Conn.	September 21
Wood screws, manufacture of	Clement O. Reed	Providence, R. I.	December 15
CLASS V. ARMS, AND IMPLEMENTS OF WAR, AND PARTS THEREOF.			
Cast iron cannon, art of manufacturing	Cyrus Alger	Boston, Mass.	May 30
Fire-arms, construction of, and mode of loading	Thomas McCarty	Elmira, N. Y.	March 11
Fire-arms	Elijah Fisher	Springfield, Mass.	April 17
	and D. H. Chamberlain	Boston, Mass.	April 17
Fire arms, the many chambered	Daniel Leavitt	Cabotsville, Mass.	April 29
Fire-arms, the many chambered	John W. Cochran	City of New York	April 29
Fire-arms, the many chambered cylinder	John W. Cochran	City of New York	May 8. Antedated April 28, 1837.
Fire-arms and ordnance	Henry C. Fay	Lancaster, Mass.	May 22
Fire-arms, many chambered cylinder	Otis W. Whittier	Enfield, N. H.	May 30
Fire-arms, improvement in	Henry Harrington	Southbridge, Mass.	July 29
Fire-arms, self-loading and priming	Silas Day	City of New York	August 31
Fire-arms, many chambered	Curtis Parkhurst	Lawrenceville, Pa.	September 25

Gun carriages on board of ships	-	John Bubier	-	Marblehead, Mass.	October 20
Knives to dirks and pistols	-	Robert W. Andrews	-	Stafford, Conn	July 31
Locks for fire-arms	-	Ethan S. Chapin	-	Stafford Spring, Conn.	July 17
Locks for fire-arms	-	Ethan Allen	-	Grafton, Mass.	November 11
Pointing cannon	-	John Hobday	-	Portsmouth, Vt.	May 30
Pistol knife or cutlass	-	George Elgin	-	City of New York	July 5
Pistol sabre	-	Robert B. Lawton	-	Newport, R. I.	November 30

CLASS. VI. STEAM ENGINES—BOILERS AND FURNACES THEREFOR, AND PARTS THEREOF, TO WHATEVER PURPOSE APPLIED.

Blowing fire in locomotive steam-engines	-	Ross Winans	-	Baltimore, Md.	July 29
Framing locomotive steam-engines	-	Ross Winans	-	Baltimore, Md.	July 29
Heating water for steam-engines	-	Ross Winans	-	Baltimore, Md.	July 29
Locomotive steam-engines	-	Ross Winans	-	Baltimore, Md.	July 29
Locomotive steam engines	-	Ross Winans	-	Baltimore, Md.	July 29
Locomotive engines	-	Samuel Wright	-	Philadelphia, Pa.	December 26
Metallic piston for steam-engine pumps	-	John Swainson	-	City of New York	March 30
Packing piston of steam-engines	-	John Williamson	-	City of New York	August 31
Puppet valves to work light, &c.	-	John Kirkpatrick	-	Baltimore, Md.	September 25
Rotary steam-engines	-	Roger M. Sherman	-	Fairfield, Conn.	April 25
Rotary steam-engine	-	David Grannis & David E. Brand	-	Collins, N. Y.	July 29
Rotary steam-engine	-	Asa Miller	-	Lockport, N. Y.	August 8
Steam-engine, air pump for	-	Thomas B. Stillman	-	City of New York	May 15
Steam-boilers, preventing bursting	-	Augustus Eitelgeorge	-	Cincinnati, Ohio	May 22
Steam-boilers, generating steam	-	James J. Rush	-	Philadelphia, Pa.	June 3
Slide valve for steam-engine	-	John Kirkpatrick	-	Baltimore, Md.	September 22

Inventions or discoveries.		Patentees.	Residence.	When issued.
Steam-boiler	- - -	James M. Whittemore	Brighton, Mass.	November 23
Steam-generator	- - -	William Creed	Boston, Mass.	December 26
CLASS VII. MATHEMATICAL, PHILOSOPHICAL, AND OPTICAL INSTRUMENTS, INCLUDING CLOCKS, WATCHES, CHRONOMETERS, &c.				
Circumferenter, improvement in	- - -	James M. Caun	Newmarket, Va.	December 20
CLASS VIII. CIVIL ENGINEERING—COMPRISING WORKS ON RAIL AND COMMON ROADS, BRIDGES, RIVERS, DAMS, AND OTHER INTERNAL IMPROVEMENTS.				
Ascending and descending inclined planes	- - -	Elisha F. Aldrich	City of New York	October 12
Bridges, construction of	- - -	Francis Good	New London, Pa.	November 4
Iron rails on timbers of railway, constructing and fastening	- - -	Peter Henry Dreyer	New York	October 18
Rail for railways	- - -	John Ruggles	Thomaston, Maine	May 22
Road stops, preventing cattle crossing railroads	- - -	Thomas J. West	Whitehall, Virginia	March 11
Railroads, mode of constructing	- - -	Isaac Cooper	Johnstown, Penn	July 22
Railroad frog	- - -	George S. Griggs	Roxbury, Mass.	July 31
Single railroad, mode of constructing	- - -	Uri Emmons	Freehold, N. J.	April 17
Turnabout, for railroads	- - -	Jeremiah Myers	Attleborough, Mass.	May 8

Axle and thorough boxes, for carriages	-	William Shier	-	Baltimore, Md.	-	July 5
Axletrees, &c. setting	-	Timothy Fessenden	-	Boston, Mass.	-	September 25
Carriages, construction of	-	Samuel C. Brown and Levi J. Hicks	-	Macedon, N. Y.	-	July 17
Cars or carriages, mode of connecting	-	Robert Grant	-	Philadelphia, Penn.	-	July 22
Carriage and wagon wheel hubs	-	Abraham Randel	-	Vernon, N. Y.	-	September 8
Circular railroad and car	-	James Rowe	-	Triana, Alabama	-	October 28
Carriages, water-proof mail	-	Bazil B. Pleasants	-	Brookville, Md.	-	December 7
Driving wheels of locomotive engines	-	Andrew M. Eastwick	-	Philadelphia, Penn.	-	November 20
Hubs for wheels	-	Howard Delano	-	Skaneateles, N. Y.	-	October 28
Locomotive power engine, for removing houses	-	Stephen Compton, jr.	-	Almira, N. Y.	-	July 31
Link, self separating, &c.	-	Conrad H. Hunt and William Brown	-	Fredericksburg, Va.	-	December 26
Railroad cars	-	Gustavus Plantou, adm'r of Alex. Plantou, dec'd	-	Philadelphia, Penn.	-	June 3
Railroad cars and canal boats, mode of conveying up and down inclined planes	-	Gideon Brown	-	City of New York	-	October 6
Spiral springs to elliptical or bow springs, for carriages	-	William Craasdale	-	Hartsville, Penn	-	February 3
Supporting the bodies of railroad cars, &c.	-	Richard Inlay	-	Philadelphia, Penn.	-	September 21
Springs for carriages	-	Porter Hill	-	Veteran, New York	-	November 25
Safety railroad cars	-	William Keurkoad	-	Elkton, Md.	-	December 29
Wheels of locomotives, for ascending inclined planes	-	Elisha Town	-	Montpelier, Vt.	-	July 31

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

CLASS X. NAVIGATION—COMPRISING ALL VESSELS FOR CONVEYANCE ON WATER, THEIR CONSTRUCTION, RIGGING, PROPULSION, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Boats for canals, bays, &c.	Abraham Morrison	Johnstown, Penn.	May 15
Capstans for ships, &c.	Increase Wilson and Francis D. Beckwith	-	-
Dry dock, floating	James Barron	New London, Conn.	June 15
Dry dock, floating	John Thomas	Philadelphia, Penn.	July 17
Ice breaker	Barnabas Gillespie	City of New York	December 20
Mallet, screwing and worming	John B. Petitval	City of New York	March 8
Propelling boats on canals, &c.	John Finlay	Charleston, S. C.	July 11
Paddle wheels for propelling boats, &c.	Jesse Ong	Baltimore, Md.	April 17
Paddles used as ice breakers	Washington Van Dusen	North Huntingdon, Pa.	May 22
Paddle wheels for propelling steamboats	William A. Douglass	Kensington, Penn.	July 29
Paddle wheels for propelling boats	John James Greenough	Albany, N. Y.	July 31
Pumps for ships, mode of working, (see class 11)	David Gay	Boston, Mass.	August 18
Parcelling rope	Obed Kempton	Bath, Maine	September 8
Sounding instrument for ascertaining the depth of water in seas	John B. Ogden and John Erieson	New Bedford, Mass.	Sept. 25. Ante-dated March 25
Ship building	Samuel E. Howell	New Jersey	July 19
Steering apparatus, for ships, &c.	Samuel Nicolson	Subject of the kingdom of Sweden	August 31
Steering wheel for ships, &c.	Andrew Morse	Vincent Town, N. J.	September 12
Vessels used as life-preservers	John Mackintosh	Boston, Mass.	December 1
		Boston, Mass.	November 11
		City of New York	-

Compressed air, for drawing liquors	-	Jasper Johnson	-	Genesee, N. Y.	May 30
Hydraulic current wheel	-	Warren P. Wing	-	Greenwich, Mass.	September 22
Horizontal water wheel	-	Chapman Warner	-	Oxford, N. J.	September 22
Horizontal water wheel	-	Samuel Curtis	-	Eagle, N. Y.	December 15
Measuring fluids, machine for	-	James Bogardus	-	New York	October 12
Pumps, preventing water from freezing	-	Samuel Adams	-	Townsend, Mass.	March 11
Pumps, mode of working, for pumping ships, (see class 10)	-	David Gay	-	Bath, Maine	September 8
Pump, double acting forcing	-	Dudley L. Farnham	-	New York	October 23
Pumps, force and suction	-	Abraham Kasslar	-	Canajoharie, N. Y.	October 28
Pumps, suction and force	-	Jonathan Stevens	-	Newark, N. J.	December 20
Reacting water wheels	-	Gideon Hotchkiss	-	Windsor, N. Y.	January 9
Rain-water cisterns	-	George O. Blenis	-	Salina, N. Y.	August 18
Reacting water wheel	-	Nelson Johnson	-	Erwin Centre, N. Y.	November 23
Spiral bucket water wheel	-	Joseph C. Green	-	Fayette, Maine	May 30
Tub wheel	-	David P. Napier	-	Liberty, Ky.	May 22
Tongs or grappling irons for raising bodies, &c.	-	Eben'r and Tho. Lobdell	-	Plymton and Boston, Ms.	August 18
Valves for pumps	-	Henry Heckman	-	Newburg, Pa.	July 17
Water wheels, construction of	-	Nehemiah P. Staunton	-	Syracuse, N. Y.	May 22
Water wheels, construction of	-	Clayton Parker and R. W. Engle	-	Wayne township, Ohio	July 31
Water wheel, mode of letting the water on	-	Samuel Curtis	-	Eagle, N. Y.	September 28

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

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CLASS XII. MILLS AND PARTS THEREOF, IRRESPECTIVE OF THE POWER BY WHICH THEY ARE MOVED, AND THE PURPOSE TO WHICH THEY ARE APPLIED.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Band wheel, mode of hanging	Isaac Staub	Lewiston, Pa.	July 11
Bark mill	Charles Parker	Meriden, Conn.	November 25
Clasps in saw mill gates	Henry & Nelson Johnson	Erwin, N. Y.	May 15
Coffee mill	Hiram Twiss	Meriden, Conn.	June 19
Cutting shingles, staves, &c.	George Pack	Peterboro, N. Y.	November 11
Cutting staves for barrels, &c.	Thomas Peck	Lenox, N. Y.	November 20
Frame work of portable horse power	John A. Nelson and Jas. P. Ross	Lewisburg, Pa.	June 30
Guages of machines for sawing shingles	Elkanah Leonard	Canton, Maine	November 4
Grinding grain	Oliver Wyman	East Cambridge, Mass.	December 20
Horse power	Levi Rice	Attleborough, Pa.	July 17
Horse power, application of	Levi Rice and David Congdon	West Chester, Pa.	July 17
Horse or other animal power	Barnabas Langdon	Troy, N. Y.	July 19
Horse power, endless chain	Jacob G. Hall	Zanesville, Ohio	September 21
Horse power, endless chain	Aaron Palmer	Akron, N. Y.	September 22
Horse power, endless chain	Henry G. Hall	Putnam, Ohio	September 28
Horse power to machinery	Henry Smith	Bethel, Ohio	October 6
Horse power	Benjamin Hinkley	Fayette, Maine	November 25
Mills, manufacture of grain	Jesse C. Smith	Lacon, Illinois	Jan. 9, 1830. Re-issued Sept. 25.
Mills, construction of	Elijah S. Curtis	Boston, Mass.	November 23

Sawing staves for barrels	-	Jesse J. Smith	-	Brutus, N. Y.	March 3
Sawing shingles	-	Apólos Wilbur	-	Burrelville, R. I.	March 25
Sawing clapboards	-	Samuel Goss	-	Milford, N. H.	June 3
Sawing shingles	-	Samuel Goss	-	Milford, N. H.	June 3
Shingles, dressing and smoothing	-	George L. Day	-	Union, N. Y.	July 29
Shingles, &c., cutting from steamed timber	-	Joseph S. Raymond	-	Lodi, N. Y.	August 15
Shingles, shaving	-	Aaron H. Akin	-	Sparta, Pa.	November 4
Shingles, sawing	-	Zebulon Sargent	-	Contoocookville, N. H.	December 1
Saw mills	-	John Ambler	-	Philadelphia, Pa.	December 1
Sawing through trees, machine for	-	Samuel H. Hamilton	-	City of New York	December 7
Sawing staves, &c.	-	Harvey Holmes	-	New Marlborough, Mass.	December 20
Wind mill	-	Ebenezer B. Sperry	-	Wenham, Mass.	August 31
Wind mills	-	Jacob D. Makely	-	Cairo, N. Y.	November 23

CLASS XIII. PRESSES FOR PRINTING, PACKING, EXPRESSING, &c.; WINDLASSES, CRANES, JACKS, &c.; AND OTHER
MECHANICAL CONTRIVANCES FOR RAISING WEIGHTS, &c.

Brick press	-	Henry Waterman	-	Bath, Maine	November 20
Cotton press	-	Gideon Fitz	-	Clinton, Miss.	June 3
Cast-iron press cases for tobacco	-	Granville D. Allen	-	Richmond, Va.	June 30
Flour, packing and pressing	-	Oliver Jewett	-	Rochester, N. Y.	March 30
Press for pressing rolled tobacco	-	James T. Bowman	-	Pattonbury, Va.	July 5
Press for pressing cheese	-	Sullivan White	-	Bridgewater, Vt.	August 15
Press for pressing hay	-	Jacob Grovesnor	-	City of New York	August 31
Rotary press for pressing woollen goods	-	Moses Bayley	-	Salisbury, Mass.	July 5
Standing press	-	Joel Barns	-	Philadelphia, Pa.	April 17
Tobacco, press for pressing	-	James H. Washington	-	Baltimore, Md.	October 12

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

CLASS XIV. PREPARING BUILDING MATERIALS, AND ALSO IMPLEMENTS FOR WORKING WOOD, &C. FOR VARIOUS PURPOSES—INCLUDING PLAINING AND MORTISING MACHINES; MAKING MORTARS AND CEMENTS, BRICKS, DRESSING STONE, &C.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Boring and mortising machine -	John H. Power -	Norwalk, Ohio -	January 31
Bricks, making and drying -	James Hodges -	Fairplay, S. C. -	June 3
Boring and mortising wheel hubs -	James Tompkins -	Conesville, N. Y. -	October 6
Brick mould, used in pressing brick -	Benjamin H. Brown -	Alexandria, D. C. -	October 23
Bricks, machine of making -	Gaylord V. Harper -	Franklinville, N. Y. -	October 23
Boring hubs of wheels -	James Hinds -	Troy, N. Y. -	November 25
Cutting and dressing granite -	William C. Poland and Earl Blossom -	Portland, Maine -	November 11
Facing and dressing stone -	David Hull and John Critcherson -	Portland, Maine -	May 8
Fire brick, composition of matter for, (see class 20) -	Christopher W. Fenton -	Bennington, Vt. -	September 22
Mortising posts and sharpening rails -	Wandle Mace -	City of New York -	March 11
Mortising timber -	Thomas H. Hoskings -	Springfield, Ohio -	June 30
Moulding and pressing brick -	Nathaniel Adams -	Cornwall, N. Y. -	September 8
Moulding and pressing brick -	Henry Waterman -	Bath, Maine -	November 4
Plaining boards, &c. -	Samuel Whitney -	Dunstable, N. H. -	June 3
Plaining mouldings on wood, &c. -	Ambrose Church, jr. -	Canandaigua, N. Y. -	July 29
Pressing brick -	Andrew F. Mervine -	St. Louis, Mo. -	September 12
Plaining machine -	Alonzo G. Hull -	Brooklyn, N. Y. -	September 20
Stone, mode of dressing -	Nathan Jacobs -	Newark, Ohio -	March 11

Stone, cutting, dressing, and polishing	-	John D. Buzzell	-	Cape Elizabeth, Maine	June 2, 1836. Re- issued May 15
Stone, cutting and dressing	-	Mighill Nutting	-	Portland, Maine	May 15
Shingles, rising, plaining, and jointing	-	Enoch R. Morrison	-	Pittsburgh, Pa.	August 8. Ante- dated June 15
Stone, artificial	-	Joseph Woodhull	-	Wheatland, N. Y.	December 15. An- tedated June 15
Turning mouldings and beads	-	Eli Coddington	-	Thompson, N. Y.	July 31
Veneers, machine for cutting	-	Joseph Skinner	-	Stockbridge, Mass.	September 21

CLASS XV. LEATHER—INCLUDING TANNING, DRESSING, AND MANUFACTURES INTO WHICH LEATHER ENTERS AS A
PRINCIPAL COMPONENT PART; SUCH AS SADDLERY, BOOTS, SHOES, &C.

Bow and worm spring to saddles	-	Jonathan Keedy	-	Russelville, Ky.	August 18
Crimping leather for boot legs	-	Jesse Van Winkle	-	Rochester, N. Y.	April 17
Crimping leather for boots	-	Moses S. Woodward	-	Marshallton, Pa.	July 31
Coloring and finishing leather	-	Harmon Hibbard	-	Attica, N. Y.	December 15
Cutting fur from skins	-	Samuel Johnson	-	Walnut Lane, N. C.	February 24
Hides, machine for breaking and softening	-	Eli Kendall	-	Newton, Mass.	June 10
Harness for horses in shafts	-	Robert Beale	-	Washington City, D. C.	June 15
Hides, machine for scraping	-	Reuben Shailer	-	Haddam, Conn.	June 19
Saddle for removing the sick	-	Hezekiah L. Thistle	-	City of New Orleans	January 21
Saddle, spring-seat riding	-	Robert Wilson	-	Milton, Pa.	March 11
Saddle, spring	-	John G. Manlove	-	Bainbridge, Ohio	March 25
Saddle, in the spring	-	Moses Baldwin	-	Cincinnati, Ohio	April 29
Saddle-trees, manufacture of	-	William Kelly	-	New Columbus, Pa.	May 30
Skins, extracting hair from	-	Edward Flint	-	City of New York	June 30
Skins, process of removing wool	-	Benjamin F. Emery	-	Bath, Maine	July 31
Saddles, spring	-	Harmon C. Fisher	-	Warwick, R. I.	November 25

Inventions or discoveries.	Patentees.	Residence.	When issued.
Spring saddles - - - -	John D. Payne -	Warm Springs, Va. -	November 25
Trunks and valises - - -	Mathias Steiner -	City of New York -	December 20
CLASS XVI. MANUFACTURE OF BOOKS, PAPER, &C.—INCLUDING TYPES, PRINTING, BINDING, RULING AND IMPLEMENTS, AND PROCESSES CONNECTED THEREWITH.			
Book binding - - - -	William Hancock -	Great Britain -	October 28
Binder for binding newspapers - -	Ezra Ripley -	Troy, N. Y. -	December 26
Printing both sides of a continuous sheet of paper - - - -	Thomas French -	Ithaca, N. Y. -	November 20
Sizing paper - - - -	John Ames -	Springfield, Mass. -	December 1
CLASS XVII. HOUSEHOLD FURNITURE AND IMPLEMENTS USED IN DOMESTIC ECONOMY, WHETHER OF WOOD, METAL, OR OTHER MATERIAL, INCLUDING STOVES, GRATES, WASHING MACHINES, LAMPS, &C.			
Air to wood and coal stoves - - -	Frederick A. Fickhardt -	Easton, Pa. -	Sept. 25. Ante-dated March 25
Cooking stoves - - - -	Benjamin H. Wood -	Bath, Steuben co., N. Y. -	January 31
Cooking apparatus - - - -	William W. Parrott -	Boston, Mass. -	March 11
Cooking stove - - - -	Abraham T. Mixell -	Belvedere, N. J. -	July 19
Cooking stove - - - -	Edwin Reed -	West Bridgewater, Mass. -	July 29

Coal cooking stove	-	William Kinney	-	Louisville, Ky.	July 29
Cooking stove	-	James Richardson	-	Poultney, Vt.	January 29
Cooking stove	-	Samuel Utter	-	City of New York	August 8
Cooking stove	-	John S. Leavitt	-	Turner, Maine	August 31
Cooking stove	-	Elijah Skinner	-	Sandwich, N. H.	October 18
Cutting meat	-	John Morris	-	Derby, Conn.	November 20
Combination cooking stove	-	Jordan L. Mott	-	City of New York	November 20
Cooking stove	-	James N. Olney	-	City of New York	November 20
Cooking stove	-	David Hastings and Solomon Sikes	-	Deerfield, Mass.	November 23
Cooking stove	-	Nathaniel Walker	-	Dighton, Mass.	December 1
Cooking furnace	-	Horace Gleason	-	Boston, Mass.	December 15
Cooking stove	-	Jesse Huthenson, jr.	-	Lynn, Mass.	December 20
Cooking stove	-	Carrington Wilson, jr.	-	City of New York	December 29
Drawer commode and cupboard door knobs	-	David Hottman	-	Baltimore, Md.	July 31
Fire place and grate, open	-	Roger M. Sherman	-	Fairfield, Conn.	June 30
Fuel, mode of burning, &c.	-	Thomas Pearson	-	Monroe Works, N. Y.	July 17
Fire apparatus for cooking	-	Daniel Stephens	-	Kitland, Ohio	October 18
Grates and fire-places	-	Ellison Conger	-	Newark, N. J.	July 22
Grate, revolving and sifting	-	Enos B. M. Hughes	-	New Haven, Conn.	July 29
Grates and stoves	-	Edward H. Dixon	-	City of New York	August 8
Generating steam for cooking	-	John Bouis	-	Baltimore, Md.	September 21
Galley and cooking stove for vessels	-	Benjamin Spratley	-	Portsmouth, Va.	September 25
Galley and cooking stove	-	James Barron	-	Philadelphia, Pa.	October 6
Heated air to furnaces, &c.	-	John Silsbe	-	Tyrone, N. Y.	August 8
Heat to cooking stoves	-	Jonathan G. Hathaway	-	Painesville, Ohio	December 7
Lamp	-	Samuel Rust	-	City of New York	April 20
Lamps for lighting houses	-	Samuel Rust	-	City of New York	June 30
Lamps and lamp torches	-	Jeremiah Martin	-	Boston, Mass.	June 30
Mop-heads, construction of	-	Jacob Howe	-	Worcester, Mass.	June 15
Ovens for stoves	-	David W. Barker	-	Clyde, N. Y.	July 29

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

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Inventions or discoveries.	Patentees.	Residence.	When issued.
Patent lamp - - -	Samuel Rust -	City of New York	September 25
Quadrant hinge for stove - -	Ebenezer Barrows -	Boston, Mass. -	August 31
Register and air box for grates, &c. -	Allen Pollock -	Boston, Mass. -	March 3
Railway oven - - -	Sewall Short -	Nantucket, Mass. -	September 6
Smoke stocks - - -	James Stimpson -	Baltimore, Md. -	April 17
Stove radiators - - -	Ethan A. Andrews -	Boston, Mass. -	May 30
Stoves for cooking and heating buildings -	Washington Auld and James Cox -	Philadelphia, Pa. -	May 30
Stoves for heating irons for tailors' use -	Bartholomew W. Tabor -	Falmouth, Mass. -	June 10
Stoves, anthracite coal - - -	Aaron O. Price -	Newark, N. J. -	June 14
Stoves, rotary - - -	Renselaer D. Granger -	Troy, N. Y. -	July 17
Stove pipes and drums - - -	Merritt Bradford -	Saugerties, N. Y. -	March 25
Stove for cooking and heating - - -	William B. Kimball -	Peterboro, N. H. -	July 19
Stove for burning anthracite - - -	Jordan L. Mott -	City of New York -	July 22
Stove for cooking and heating - - -	Rufus S. Payne -	West Springfield, Mass. -	July 31
Stove for heating apartments - - -	Philip Wilcox -	Springfield, Mass. -	July 31
Stoves, improvement in - - -	John Collum -	Grafton, Mass. -	July 31
Stoves for cooking - - -	James Wilson -	City of New York -	August 15
Strainers for milk-pails - - -	Isaiah Bunnel -	Derby, Conn. -	August 18
Stoves, non-radiating hot air - - -	Benjamin Blaney -	Boston, Mass. -	September 8
Stoves, construction of - - -	George F. Hopkins -	City of New York -	Sept. 8. Antedated March 8
Stove for heating and cooking - - -	Philip Wilcox -	Springfield, Mass. -	September 12
Stoves, construction of - - -	Thomas Mills -	Havanna, N. Y. -	September 25
Steam vessel for cooking - - -	John Morris -	Derby, Conn. -	October 28
Stoves, construction of - - -	Henry H. Roach -	Norwich, Conn. -	November 4

Stove, cooking and warming	-	John Morris	-	Derby, Conn.	November 4
Stoves, grates, boilers, and ovens	-	Caleb Slade	-	Troy, N. Y.	November 11
Stove, parlor	-	Jordan L. Mott	-	City of New York	December 7
Spark catcher, &c.	-	William Duff	-	Baltimore, Md.	December 20
Sliding flute grate	-	Daniel Desmond	-	City of New York	December 26
Washing machine, cylinder	-	William Hovey	-	Worcester, Mass.	February 4
Weather strips to bottom of doors	-	Isaac D. Brower	-	City of New York	July 29

CLASS XVIII. INSTRUMENTS AND OPERATIONS IN THE POLITE, FINE, AND ORNAMENTAL ARTS, INCLUDING MUSIC, PAINTING, ENGRAVING, GILDING, SCULPTURE, &c.

Printing and drawing checks to prevent counterfeits	-	John Dainty	-	Philadelphia, Penn.	July 31
Action of piano fortes, &c.	-	Thomas Loud	-	Philadelphia, Penn.	December 7

CLASS XIX. THE HEALING ART, INCLUDING SURGICAL INSTRUMENTS AND APPARATUS.

Bandages, pads	-	Robert Thompson	-	Columbus, Ohio	January 29
Truss for hernia	-	Elijah Jaquith	-	Brattleboro, Vt.	March 11
Trusses for retention and radical cure of hernia	-	Heber Chase, M. D.	-	Philadelphia, Penn.	June 10
Trusses, hernial	-	Richard Salisbury	-	Providence, R. I.	November 4
Truss for hernia	-	Josiah Hungerford	-	Dover, N. Y.	December 26

A.—LIST OF PATENTS GRANTED DURING THE YEAR 1837—Continued.

CLASS XX. CHEMICAL MANUFACTURES, PROCESSES, AND COMPOUNDS, NOT INCLUDED UNDER THE FOREGOING HEADS, COMPRISING DYING, COLOR MAKING, BLACKING, DISTILLING, VARNISH MAKING, CALCINING, &C.				
Inventions and discoveries.	Patentees.	Residence.	When issued.	
Bitterings from kettles, process of separating and removing, &c.	David Dear	Salina, N. Y.	October 18	
Blocks for printing colors on silk	John Crabtree	City of New York	December 7	
Composition for making boots, &c. water proof	Patrick G. Nagle	Philadelphia, Penn.	February 10	
Caoutchoue, divesting of its adhesive properties	Charles Goodyear	City of New York	June 17	
Carbonate of lead, machinery employed	Charles Ripley	Saugerties, N. Y.	July 11	
Coloring maps, process and apparatus	Lucius Stebbins	Hartford, Conn.	July 11	
Composition of matter for fire-brick, (see class 14)	Christopher W. Fenton	Bennington, Vt.	September 22	
Composition, &c., paint for houses, &c.	William Cox	Dayton, Ohio	October 23	
Coloring matter, manufacture of	Henry Stevens	Great Britain	October 28	
Gum Senegal, a substitute for	Walter Leveridge	Dorchester, Mass.	August 8. Ante-dated May 30	
India rubber, manufacture of	Stephen C. Smith	City of New York	December 7	
Lime, process of burning	Samuel Garber & Henry Swartzengroner	Norristown, Penn.	March 25	
Leaching ashes	Garret Clements	Canandaigua, N. Y.	June 10	
Metallic solution for preserving timber	Webster Flockton	Subject of Great Britain	February 16	
Metallic sheathing of vessels, mode of protecting	Edward M. Robinson	New Bedford, Mass.	August 8	
Paint, white, water color	Forrest Shepperd	New Haven, Conn.	July 17	

Preserving timber and other vegetable products	John Knowles, executor of Robert Bid, of the city of London, and Robert Gilbert	London, England City of New York Washington, D. C. Paris, France London, England Utica, N. Y.	September 21 November 11 December 7 June 30 July 17
Paint for the protection of buildings	Louis Paimbœuf	-	-
Preserving iron, &c. from rust	M. Sorel	-	-
Saccharine, vinous, &c., fermentation	J. J. C. Sheridan	-	-
Soap, making	Daniel E. Stillwell	-	-
Saltwater, purifying of	Nils Shollewskii Von Shultz	-	-
Sugar, manufacture of	John Penny	-	-
Timber, protection from worms, &c.	August Gotthilff	-	-
White lead	Peregrine Phillips	-	-
White paint	Forrest Shepperd	-	-
		Salina, N. Y. Parish Ascension, La. City of New York Campbell county, Ky. New Haven, Conn.	July 29 September 25 June 14 April 17 March 18, 1835. Reiss'd July 19

CLASS XXI. COMPOSITION OF MATTER—INCLUDING PHARMACEUTICAL PREPARATIONS, AND OTHER COMPOUNDS USED IN MEDICINE OR THE ARTS.

Cement in making cisterns, &c.	Thomas Coyle	Baltimore, Md.	August 16
Hydraulic cement from basanite	Ebenezer C. Warner	Albany, N. Y.	October 6
Tonic and aperient, &c. pills	John J. Oellig	Waynesborough, Pa.	October 28
Worm destroying medicine	John J. Oellig	Waynesborough, Pa.	October 28

CLASS XXII. MISCELLANEOUS.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Balance for weighing	B. Morrison	Milton, Pa.	February 16
Bodkin for inserting corset rings into cloth	Jonathan S. Turner	Middletown, Conn.	April 25
Boot-trees	David Hastings	Deerfield, Mass.	December 15
Candles, moulding of	John Moore and Samuel P. Bower	Strasburg, Pa.	March 3
Dye wood, machine for cutting	Lucius H. Mosely	Poughkeepsie, N. Y.	June 22
Candles, moulding	Joseph H. Tuck	Nantucket, Mass.	July 11
Cutting and pointing wooden pegs	Joseph Essex	Killingly, Conn.	July 17
Dye woods, reducing and cutting	Abner McMillen	Bedford, N. H.	December 26
Drying oil cloths	Daniel Sampson	Winthrop, Maine	May 30
Draughting out forepart of coats	Allen Ward	Moyamensing, Pa.	September 28
Draughting and cutting out garments	William W. Allen	Philadelphia, Pa.	October 23
Feathers, cleaning and dressing	Samuel Swett, jr.	Readfield, Maine	July 31
Geometrical measurer for draughting out coats on, &c.	William C. Bishop	Ovid, N. Y.	April 25
Garments, system of cutting	Andrew Wiswell	Exeter, N. H.	July 11
Ice for shipping, preparing	Nathaniel J. Wyeth	Cambridge, Mass.	December 1
Locofoco matches, dipping	John Hatfield	Stillwater, N. Y.	June 3
Magnetism and electro magnetism	Thomas Davenport	Brandon, Vt.	February 25
Platform balance	Benjamin Bull	City of New York	March 3
Preparing oleaginous seeds for pressing	James Criswell	Pittsburgh, Pa.	July 31
Pantaloons measurer	Edwin Grimston	Danvers, Mass.	September 21
Refrigerators	Robert D. Burns	Baltimore, Md.	November 11

Steelyard balance	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	Sept. 22, 1832. Re-issued Feb. 10.
Steelyard balance, &c.	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	Sept. 22, 1832. Re-issued Feb. 10.
Safes or chests, fire-proof	-	-	-	Benjamin Sherwood	City of New York	May 8
Splinks for friction matches	-	-	-	Stephen Dole	Concord, N. H.	May 30
Spreading adhesive plaster upon muslin linen	-	-	-	B. Morrison	Milton, Pa.	August 8
Safe for preservation of papers	-	-	-	Daniel Fitzgerald	Mount Morris, N. Y.	August 15
Steaming and mashing apples	-	-	-	John Dunn	Greenwood, Pa.	December 1
Spinning tobacco	-	-	-	Hiram M. Smith	Richmond, Va.	December 20
Standard measurer for taking measure of coats	-	-	-	Erastus Barber	Boston, Mass.	December 26
Tailoring, system of	-	-	-	Amos Sherman	Newark, N. J.	July 17
Temperature of inking rollers, &c.	-	-	-	Eliphaz Weston Arnold	Boston, Mass.	September 21
Weighing heavy bodies	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	June 13, 1831. Re-issued Feb. 10.
Weighing heavy bodies	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	June 13, 1831. Re-issued Feb. 10.
Weighing heavy bodies	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	Feb. 21, 1832. Re-issued Feb. 10.
Weighing heavy bodies	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	Feb. 21, 1832. Re-issued Feb. 10.
Weighing heavy bodies	-	-	-	E. Fairbanks & T. Fairbanks	St. Johnsbury, Vt.	Feb. 21, 1832. Re-issued Feb. 10.

B.

ALPHABETICAL LIST of patentees for the year 1837, with their places of residence.

Names of patentees.	Residence.
Adams, Samuel	Townshend, Massachusetts.
Adams, Nathaniel	Cornwall, New York.
Akin, Aaron H.	Sparta, Pennsylvania.
Alger, Cyrus	Boston, Massachusetts.
Allen, Granville D.	Richmond, Virginia.
Allen, William W.	Philadelphia, Pennsylvania.
Allen, Ethan	Grafton, Massachusetts.
Aldrick, Elijah F.	City of New York.
Ambler, John	Philadelphia, Pennsylvania.
Ames, John	Springfield, Massachusetts.
Andrews, James	Camden, Maine.
Andrews, Ethan A.	Boston, Massachusetts.
Andrews, Robert W.	Stafford, Connecticut.
Arnold, Elephaz Weston	Boston, Massachusetts.
Auld, Washington, and James Cox	Philadelphia, Pennsylvania.
Austin, William C.	Greenville, Virginia.
Baldwin, Moses	Cincinnati, Ohio.
Barker, John	Baltimore, Maryland.
Barker, John	Baltimore, Maryland.
Barker, David W.	Clyde, New York.
Barns, Joel	Philadelphia, Pennsylvania.
Barron, James	Philadelphia, Pennsylvania.
Barron, James	Philadelphia, Pennsylvania.
Barber, Erastus	Boston, Massachusetts.
Barrows, Ebenezer	Boston, Massachusetts.
Barton, Thomas C.	City of New York.
Barton, Thomas C.	City of New York.
Barton, William M.	Cheek's × Roads, Tennessee.
Bayley, Moses	Salisbury, Massachusetts.
Beale, Robert	Washington, District of Columbia.
Beckwith, Ira L.	Quincy, Massachusetts.
Bigelow, Erastus B.	West Boylston, Massachusetts.
Bishop, William C.	Ovid, New York.
Bishop, Nathaniel W. and Simeon Brooks	Saybrook, } Connecticut. Chester, }
Bogardus, James	City of New York.
Bouis, John	Baltimore, Maryland.
Bowman, James T.	Pattonbury, Virginia.
Bubier, John	Marblehead, Massachusetts.
Bull, Benjamin	City of New York.
Bunnell, Isaiah	Derby, Connecticut.
Burns, Robert D.	Brownsburgh, Virginia.
Burt, Enoch	Manchester, Connecticut.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Butler, Lester	Cobleskill, New York.
Buzzell, John D.	Cape Elizabeth, Maine.
Blackall, Joseph	Albany, New York.
Blanchard, Thomas	City of New York.
Blaney, Benjamin	Boston, Massachusetts.
Blenis, George O.	Salina, New York.
Bradford, Merrit	Saugerties, New York.
Broadmeadow, Simeon	City of New York.
Broadmeadow, Simeon	City of New York.
Brittain, William, & Robert Brittain	Arnwell, New Jersey.
Brooks, Jonathan	Brownsburgh, Virginia.
Brown, Samuel, and Levi J. Hicks	Macedon, New York.
Brown, Gideon	City of New York.
Brown, Benjamin H.	Alexandria, District of Columbia.
Brower, Isaac D.	City of New York.
Chapin, Ethan S.	Stafford Springs, Connecticut.
Chase, Heber, M. D.	Philadelphia, Pennsylvania.
Childs, Charles D.	Mount Morris, New York.
Church, Ambrose, jr.	Canandaigua, New York.
Clayton, Thomas	Shelbyville, Indiana.
Clements, Garret	Canandaigua, New York.
Coats, Stephen	Shoreham, Vermont.
Cochran, John W.	City of New York.
Cochran, John W.	City of New York.
Coddington, Eli	Thompson, New York.
Collum, John	Grafton, Massachusetts.
Compton, Stephen, jr.	Almira, New York.
Conger, Ellison	Newark, New Jersey.
Cooper, Isaac	Johnston, Pennsylvania.
Cox, William	Dayton, Ohio.
Coyle, Thomas	Baltimore, Maryland.
Crabtree, John	City of New York.
Creed, William	Boston, Massachusetts.
Criswell, James	Pittsburgh, Pennsylvania.
Croasdale, William	Hartsville, Pennsylvania.
Crompton, William	Taunton, Massachusetts.
Curtis, Samuel	Eagle, New York.
Curtis, Samuel	Eagle, New York.
Curtis, Elijah S.	Boston, Massachusetts.
Cutler, Jonathan	Putney, Vermont.
Dainty, John	Philadelphia, Pennsylvania.
Davenport, Thomas	Brandon, Vermont.
Davenport, Moses	Phillips, Massachusetts.
Day, Silas	City of New York.
Day, George L.	Union, New York.
Dean, Sinus	Utica, New York.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Dear, David	Salina, New York.
Deats, John	Roxbury, New Jersey.
Delano, Howard	Skaneateles, New York.
Desmond, Daniel	City of New York.
Dewey, David	Poultney, Vermont.
Dixon, Edward H.	City of New York.
Dole, Stephen	Concord, New Hampshire.
Douglas, William A.	Albany, New York.
Dreyer, Peter Henry	City of New York.
Duff, William	Baltimore, Maryland.
Dunn, John	Greenwood, Pennsylvania.
Eastwick, Andrew M.	Philadelphia, Pennsylvania.
Eitelgeorge, Augustus	Cincinnati, Ohio.
Elgin, George	City of New York.
Emons, Richard	Mansfield, New Jersey.
Emery, Benjamin F.	Bath, Maine.
Emmons, Uri	Freehold, New Jersey.
Essex, Joseph	Killingly, Connecticut.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Fairbanks, Erastus, and Thaddeus Fairbanks	St. Johnsbury, Vermont.
Farnam, Dudley L.	City of New York.
Fay, Henry C.	Lancaster, Massachusetts.
Fenton, Christopher W.	Bennington, Vermont.
Fessenden, Timothy	Boston, Massachusetts.
Fickardt, Frederick A.	Easton, Pennsylvania.
Finlay, John	Baltimore, Maryland.
Fisher, Elijah, and Dexter Chamberlain	Springfield, { Boston, } Massachusetts.
Fisher, Harmon C.	Warwick, Rhode Island.
Fitz, Gideon	Clinton, Mississippi.
Fitzgerald, Daniel	Mount Morris, New York.
Flint, Edward	City of New York.
Flocton, Webster	Subject of Great Britain.
Fredley, Frederick	Logan Township, Pennsylvania.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Garber, Samuel, and Henry Swartzengrover	Norristown, Pennsylvania.
Gay, David	Bath, Maine.
Gay, Charles S.	Nashua, New Hampshire.
Gleason, Horace	Boston, Massachusetts.
Good, Francis	New London, Pennsylvania.
Goodyear, Charles	City of New York.
Goss, Samuel	Milford, New Hampshire.
Goss, Samuel	Milford, New Hampshire.
Gotthilff, August	City of New York.
Goulding, Charles	Mobile, Alabama.
Grant, Robert	Philadelphia, Pennsylvania.
Granger, Rensellaer D.	Troy, New York.
Grannis, D., and D. E. Brand	Collins, New York.
Gray, William	Hebron, Connecticut.
Greenough, John James	Boston, Massachusetts.
Green, Joseph C.	Fayette, Maine.
Gillespie, Barnabas S.	City of New York.
Grimston, Edwin	Danvers, Massachusetts.
Grosvenor, Jacob	City of New York.
Griggs, George S.	Roxbury, Massachusetts.
Griswold, Ogden	Hartford, Connecticut.
Golding, John	Dedham, Massachusetts.
Hotchkiss, Gideon	Windsor, New York.
Hotchkiss, Gideon	Windsor, New York.
Hayden, Warner	New Milford, Pennsylvania.
Hovey, William	Worcester, Massachusetts.
Harvey, Thomas W.	Poughkeepsie, New York.
Harvey, Thomas W.	Poughkeepsie, New York.
Harvey, Charles R., and E. Tracy	Poughkeepsie, New York.
Harvey, Charles R.	Poughkeepsie, New York.
Hedge, Lemuel	Hartford, Connecticut.
Hedge, Egbert	Hartford, Connecticut.
Hull, David, and J. Critcherson	Portland, Maine.
Hobday, John	Portsmouth, Vermont.
Hodges, James	Fair Play, South Carolina.
Howe, Jacob	Worcester, Massachusetts.
Hoskins, Thomas H.	Springfield, Ohio.
Hartpence, Samuel, and John D. Bowne	Kingwood, New Jersey.
Hazard, Phillipe F.	Philadelphia, Pennsylvania.
Hatfield, John	Stillwater, New York.
Heckman, Henry	Newburg, New York.
Harrington, Henry	Southbridge, Massachusetts.
Hughes, Enos B. M.	New Haven, Connecticut.
Holtman, David	Baltimore, Maryland.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Howell, Samuel E.	Vincent Town, New Jersey.
Hammond, Hervey	Lewisbury, Pennsylvania.
Hopkins, George F.	City of New York.
Hull, Alonzo G.	Brooklyn, New York.
Hall, Henry G.	Putnam, Ohio.
Hall, Jacob G.	Zanesville, Ohio.
Hancock, William	Great Britain.
Hastings, David, and Solomon Sikes	Deerfield, Massachusetts.
Hastings, David	Deerfield, Massachusetts.
Hinkley, Benjamin	Fayette, Maine.
Hinds, James	Troy, New York.
Hill, Porter	Veteran, New York.
Hamilton, Samuel H.	City of New York.
Hathaway, Jonathan G.	Painsville, Ohio.
Hibbard, Harmon	Attica, New York.
Holmes, Harvey	New Marlborough, Massachusetts.
Hutchenson, Jesse, jr.	Lynn, Massachusetts.
Hobbs, William	Springfield, Massachusetts.
Hartford, Benjamin, and William B. Tilton	Enfield, New Hampshire.
Hungerford, Josiah	Dover, New York.
Hunt, Conrad H., and William Browne	Fredericksburg, Virginia.
Harper, Gaylord V.	Franklinville, New York.
Idler, Jacob	Philadelphia, Pennsylvania.
Imlay, Richard	Philadelphia, Pennsylvania.
Jaquith, Elijah	Brattleboro, Vermont.
Jaquith, Elijah	Brattleboro, Vermont.
Jacobs, Nathan	Newark, Ohio.
Jewell, Oliver	Rochester, New York.
Jones, Alexander	New Orleans, Louisiana.
Jones, Henry C.	Newark, New Jersey.
Johnson, Henry, and Nelson Johnson	Erwin, New York.
Johnson, Jasper	Genesee, New York.
Johnson, Nelson	Erwin Centre, New York.
Johnson, Samuel	Walnut Lane, North Carolina.
Kelly, William	New Columbus, Pennsylvania.
Kendall, Eli	Newton, Massachusetts.
Kimball, William B.	Peterboro, New Hampshire.
Kinney, William	Louisville, Kentucky.
Keedy, Jonathan	Russelville, Kentucky.
Knowles, John, and Robert Gilbert,	{ Executors of Robert Bull, of city of London }
Kirkpatrick, John	Baltimore, Maryland.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Kirkpatrick, John - - -	Baltimore, Maryland.
Kempton, Obed - - -	New Bedford, Massachusetts.
Kasslar, Abraham - - -	Canajoharie, New York.
Kinkead, William - - -	Elkton, Maryland.
Larimore, William L. - - -	Paris, Kentucky.
Leavitt, Daniel - - -	Cabotsville, Massachusetts.
Leavitt, John S. - - -	Turner, Maine.
Lull, Harvey - - -	Ithaca, New York.
Langdon, Barnabas - - -	Troy, New York.
Lyon, Joseph - - -	Pottsville, Pennsylvania.
Leveridge, Walter - - -	Dorchester, Massachusetts.
Lobdell, Ebenezer - - -	Plymton, {
and Thomas J. Lobdell - - -	Boston, } Massachusetts.
Longley, David M., and Samuel Davis - - -	Westbrook, Maine.
Leland, Levi N. - - -	Grafton, Massachusetts.
Leonard, Elkanah - - -	Canton, Maine.
Lawton, Robert B. - - -	Newport, Rhode Island.
Loud, Thomas - - -	Philadelphia, Pennsylvania.
Morison, B. - - -	Milton, Pennsylvania.
Morison, B. - - -	Milton, Pennsylvania.
Morrison, Abraham - - -	Johnstown, Pennsylvania.
Morrison, Enoch R. - - -	Pittsburgh, Pennsylvania.
Morris, John - - -	Derby, Connecticut.
Morris, John - - -	Derby, Connecticut.
Morris, John - - -	Derby, Connecticut.
Moore, John, and Samuel P. Bower - - -	Strasburg, Pennsylvania.
Moore, Hugh - - -	City of New York.
Mace, Wandle - - -	City of New York.
McCarty, Thomas - - -	Elmira, New York.
McClory, James - - -	City of New York.
McCann, James - - -	New Market, Virginia.
McCormick, Stephen - - -	Auburn, Virginia.
McMillen, Abner - - -	Bedford, New Hampshire.
McMullen, John - - -	Sinking Valley, {
and Joseph Hollen, jr. - - -	Logan Valley, } Pennsylvania.
Manlove, John G. - - -	Bainbridge, Ohio.
Myers, Jeremiah - - -	Attleboro', Massachusetts.
Mosely, Lucilius H. - - -	Poughkeepsie, New York.
Martin, Jeremiah - - -	Boston, Massachusetts.
Mixsell, Abraham T. - - -	Belvedere, New Jersey.
Mason, Samuel P. - - -	Newport, Rhode Island.
Mott, Jordon L. - - -	City of New York.
Mott, Jordon L. - - -	City of New York.
Mott, Jordon L. - - -	City of New York.
Miller, Asa - - -	Lockport, New York.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Mervine, Andrew F.	St. Louis, Missouri.
Mills, Thomas	Havana, New York.
McIntosh, John	City of New York.
Makely, Jacob D.	Cairo, New York.
Mosely, Lucilius H.	Poughkeepsie, New York.
Morse, Andrew	Boston, Massachusetts.
Nagle, Patrick G.	Philadelphia, Pennsylvania.
Napier, David B.	Liberty, Kentucky.
Nelson, John, and J. P. Ross	Lewisburg, Pennsylvania.
Nicolson, Samuel	Boston, Massachusetts.
Norton, Job B.	Philadelphia, Pennsylvania.
North, Alvin	North Britain, Connecticut.
Nutting, Mighill	Portland, Maine.
Oellig, John J.	Waynesboro', Pennsylvania.
Oellig, John J.	Waynesboro', Pennsylvania.
Ogden, Francis B.	New Jersey.
and John Eriesson	Kingdom of Sweden.
Olney, James N.	City of New York.
Ong, Jesse	North Huntingdon, Pennsylvania.
Power, John H.	Norwalk, Ohio.
Pollock, Allen	Boston, Massachusetts.
Parrott, William B.	Boston, Massachusetts.
Pierce, Dexter	Montague, Massachusetts.
Phillips, Peregrine	Campbell county, Kentucky.
Plantou, Gustavus, administrator of Anthony Plantou	Philadelphia, Pennsylvania.
Price, Aaron O.	Newark, New Jersey.
Petitval, John B.	Charleston, South Carolina.
Pearson, Thomas	Monroe Works, New York.
Parker, Clayton, and Robert W. Engle	Wayne Township, Ohio.
Parker, Charles	Meriden, Connecticut.
Payne, Rufus S.	West Springfield, Massachusetts.
Payne, John D.	Warm Springs, Virginia.
Palmer, Aaron	Akron, New York.
Penny, John	Parish Ascension, Louisiana.
Parkhurst, Curtis	Lawrenceville, Pennsylvania.
Paimbœuf, Louis	Washington, District of Columbia.
Poland, William C., and Earl Blossom	Portland, Maine.
Pack, George	Peterboro', New York.
Peck, Thomas	Lenox, New York.
Potter, Welcome A.	Cranston, Rhode Island.
Pleasants, Basil B.	Brookville, Maryland.
Pitts, John A., and Hiram Pitts	Winthrop, Maine.
Rand, Oliver P., and Joseph Berry	New Market, New Hampshire.
Rust, Samuel	City of New York.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Rust, Samuel	City of New York.
Ruggles, John	Thomaston, Maine.
Rush, James J.	Philadelphia, Pennsylvania.
Rust, Samuel	City of New York.
Rice, Phineas, and Gabriel Rice	Danville, Kentucky.
Ripley, Charles	Saugerties, New York.
Rice, Levi	West Chester, Pennsylvania.
Rice, Levi, and Daniel Congdon	West Chester, Pennsylvania.
Reed, Edwin	West Bridgewater, Massachusetts.
Read, Clement O.	Providence, Rhode Island.
Richardson, James	Poultney, Vermont.
Richardson, Ithiel S.	Boston, Massachusetts.
Robinson, Edward M.	New Bedford, Massachusetts.
Robinson, Enoch, and George W. Robinson	Boston, Massachusetts.
Raymond, J. S.	Lodi, New York.
Rice, Levi	West Chester, Pennsylvania.
Randel, Abraham	Vernon, New York.
Ropes, David N.	Portland, Maine.
Rowe, James	Triana, Alabama.
Roath, Henry Hobart	Norwich, Connecticut.
Ripley, Ezra	Troy, New York.
Smith, Jesse C.	Brutus, New York.
Smith, Francis H.	Baltimore, Maryland.
Smith, John C.	Kingwood, New Jersey.
Smith, Benjamin M.	Rochester, New York.
Smith, Jesse C.	Lacon, Illinois.
Smith, Henry	Bethel, Ohio.
Smith, Stephen C.	City of New York.
Smith, Hiram M.	Richmond, Virginia.
Sloat, Jacob	Ramapo, New York.
and Thomas Springsteen	Poughkeepsie, New York.
Sheets, Henry	Staunton, Virginia.
Silliman, Henry	Perryville, New York.
Swainson, John	City of New York.
Stimpson, James	Baltimore, Maryland.
Sellers, George E.	Philadelphia, Pennsylvania.
Sherman, Roger Minot	Fairfield, Connecticut.
Sherman, Roger M.	Fairfield, Connecticut.
Sherman, Amos	Newark, New Jersey.
Schonherr, Christian William	Subject of Saxony.
Sherwood, Benjamin	City of New York.
Stillman, Thomas B.	City of New York.
Stanton, Nehemiah P.	Syracuse, New York.
Sampson, Daniel	Winthrop, Maine.
Shailer, Reuben	Haddam, Connecticut.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Sheriden, John Joseph Charles	London, England.
Slicer, William	Baltimore, Maryland.
Stebbens, Lucius	Hartford, Connecticut.
Straub, Isaac	Lewistown, Pennsylvania.
Severence, Levi	Pittsburgh, Pennsylvania.
Stillwell, Daniel E.	Utica, New York.
Shepperd, Forrest	New Haven, Connecticut.
Shepperd, Forrest	New Haven, Connecticut.
Snider, Isaac	Mount Pleasant, Pennsylvania.
Swett, Samuel, jr.	Readville, Maine.
Silsbe, John	Tyrone, New York.
Swasey, Benjamin	Mount Vernon, Vermont.
Sperry, Ebenezer P.	Wenham, Massachusetts.
Skinner, Joseph	Stockbridge, Massachusetts.
Spratley, Benjamin	Portsmouth, Virginia.
Short, Sewall	Nantucket, Massachusetts.
Skinner, Elijah	Sandwich, New Hampshire.
Stephens, David	Kitland, Ohio.
Stevens, Henry	Great Britain.
Stevens, John	Poughkeepsie, New York.
Stevens, Jonathan	Newark, New Jersey.
Salisbury, Richard	Providence, Rhode Island.
Slade, Caleb	Troy, New York.
Straub, Henry	Shepperdstown, Virginia.
Sargent, Zebulon	Contoocookville, New Hampshire.
Sorel, M.	Paris, France.
Steiner, Mathias	City of New York.
Tabor, Bartholomew W.	Falmouth, Massachusetts.
Tracy, Erastus	Poughkeepsie, New York.
Trench, Thomas	Ithaca, New York.
Thistle, Hezekiah L.	City of New Orleans, Louisiana.
Twiss, Hiram	Meriden, Connecticut.
Titcomb, Edgar M.	Andover, Massachusetts.
Thorp, Comfort B.	Smithfield, Rhode Island.
Thomas, Markwell	Alfred, Maine.
Thomas, John	City of New York.
Thorpe, Thomas	West Cambridge, Massachusetts.
Thompson, Robert	Columbus, Ohio.
Tompkins, James	Conesville, New York.
Town, Elisha	Montpelier, Vermont.
Tuck, Joseph H.	Nantucket, Massachusetts.
Turner, Jonathan S.	Middletown, Connecticut.
Utter, Samuel	City of New York.
Van Dusen, Washington	Kensington, Pennsylvania.
Van Winkle, Jesse	Rochester, New York.
Von Shoultz, Nils Sholtewskii	Salina, New York.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Walker, Nathaniel - - -	Dighton, Massachusetts.
Warner, Chapman, Abraham T. Mixsell, and Edwin J. Korn - -	Belvedere, New Jersey.
Warner, Ebenezer C. - - -	Albany, New York.
Warner, Chapman - - -	Oxford, New Jersey.
Warren, John - - -	Westbrook, Maine.
Ward, Allen - - -	Moyamensing, Pennsylvania.
Washington, James H. - - -	Baltimore, Maryland.
Waterman, Henry - - -	Bath, Maine.
Waterman, Henry - - -	Bath, Maine.
Weaver, John - - -	Washington, District of Columbia.
Wells, Henry A., James James, and Robert W. Peck - - -	Brooklyn, New York.
West, Thomas J. - - -	Whitehall, Virginia.
Wells, Henry A., James James, and Robert W. Peck - - -	Brooklyn, New York.
Williams, Palmer - - -	Towonda, Pennsylvania.
Williamson, John - - -	City of New York.
Wilson, Robert - - -	Milton, Pennsylvania.
Wilson, Alexander M. - - -	Rhinebeck, New York.
Wilson, Alexander M. - - -	Rhinebeck, New York.
Wilson, Increase, and Francis D. Beckwith - - -	New London, Connecticut.
Wilson, James - - -	City of New York.
Wilson, Carrington, jr. - - -	City of New York.
Wilbur, Apollas - - -	Burrelville, Rhode Island.
Wilbur, George - - -	Macedon, New York.
Wilcox, Philip - - -	Springfield, Massachusetts.
Wilcox, Philip - - -	Springfield, Massachusetts.
Wing, Warren P. - - -	Greenwich, Massachusetts.
Whittier, Otis W. - - -	Enfield, New Hampshire.
Whittemore, James M. - - -	Brighton, Massachusetts.
Whitney, Samuel - - -	Dunstable, New Hampshire.
Whitney, Asa - - -	Smithfield, New York.
White, Sullivan - - -	Bridgewater, Vermont.
Whitehouse, Turner - - -	Boston, Massachusetts.
Wiswell, Andrew - - -	Exeter, New Hampshire.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Wright, Samuel - - -	Philadelphia, Pennsylvania.
Wood, Benjamin H. - - -	Bath, Steuben county, New York.
Woodcock, Bancroft - - -	Mount Pleasant, Pennsylvania.
Woodcock, Bancroft - - -	Mount Pleasant, Pennsylvania.

B.—LIST OF PATENTEES—Continued.

Names of patentees.	Residence.
Woodhull, Joseph - - -	Wheatland, New York.
Woodward, Moses - - -	Marshallton, Pennsylvania.
Wolcott, Josiah, jr. and Charles W.	
Brown - - -	Roxbury, Massachusetts.
Wyeth, Nathaniel J. - - -	Cambridge, Massachusetts.
Wyman, Oliver - - -	East Cambridge, Massachusetts.
Young, Barzillai - - -	Killingly, Connecticut.
and Samuel Titus - - -	Brooklyn, Connecticut.

AGRICULTURE.

Names of patentees.	Residence.	Inventions or discoveries.	1823.
Bolton, John -	Warren, N. Y. -	Clover seed mill -	January 9
Burrall, Thomas D. -	Geneva, N. Y. -	Clover seed machine -	June 5
Babcock, Isaac -	Renselaerville, N. Y. -	Cradle for grain -	March 24
Barnet, Nathaniel -	Paris, N. Y. -	Hulling grain -	August 21
Beach, Waldron -	Philadelphia, Pa. -	Plough, self-sharpening -	August 26
Buck, David S. -	Hurley, N. Y. -	Seed cleaner, universal -	February 10
Carver, Eleazer, jr. -	Bridgewater, Mass. -	Cotton gin, saw and grates for -	June 12
Carver, Eleazer, jr. -	Bridgewater, Mass. -	Cotton gin, saw and grates for -	June 13
Cox, Frederic -	Somerville, N. Y. -	Flax and hemp machine -	December 4
Child, Holand -	Canton, Maine -	Grain, cleaning -	January 11
Carl, John -	New York -	Thrashing grain and cleaning flax -	February 12
Douglass, Archibald -	Marcellus, N. Y. -	Thrashing machine -	September 18
Glendenning, Andrew -	Loudon county, Va. -	Apples, machine for cutting -	September 9
Glendenning, Andrew -	Butler county, Pa. -	Corn-stalks, machine for cutting -	September 25
Goodsell, Naman -	Clinton, N. Y. -	Thrashing machine and straw cutter -	March 21
Hubbard, Stephen, and Joseph Graves -	Wilmington, Vt. -	Cultivator -	June 21
Hines, Joseph, and William Bain -	Columbus, Ohio -	Flax and hemp machine -	February 3
Hook, Asa -	Searmont, Maine -	Flax seed, machine for cleaning -	September 9
Hitchcock, David -	New York -	Plough -	July 16
Hackney, Obadiah -	Lebanon, Ohio -	Plough -	August 29
Jones, D. H., and W. F. Richardson -	Palmyra, N. Y. -	Plough cutters, and points for -	July 29

Names of patentees.	Residence.	Inventions or discoveries.	1823.
Kirk, William -	Baltimore, Md.	Thrashing machine -	July 22
Lawrence, Christian -	Chatham, N. Y.	Fork, hay and dung -	July 26
Litzenberger, John -	Philadelphia, Pa.	Grain, cleaning and scouring -	November 24
Lewis, William S. -	Pittsylvania, Va.	Thrashing machine, and grinding grain -	October 20
Lovejoy, Benjamin -	Augusta, N. Y.	Thrashing machine, and cleaning grain -	December 31
McDonald, James -	New York -	Flax and hemp machine -	January 18
Martin, Granville -	Waterbury, Ct. -	Fork, four tined -	June 13
McConaughy, William -	New Garden, Pa.	Harrow teeth -	December 8
Mills, N., and J Rodgers -	Bath, N. H. -	Thrashing machine, and cleaning grain -	January 14
Miller, J. R. -	Dryden, N. Y. -	Thrashing machine -	April 25
Neefus, David -	Flatlands, N. Y.	Fanning mill -	September 22
Nixon, George -	New York -	Plough -	June 3
Nash, John -	Tallmadge, Ohio -	Plough -	October 14
Norton, John L. -	Charleston, S. C.	Rice steam mill -	December 16
Osborne, John -	Blanford, Mass.	Straw cutter -	December 6
Pease, Daniel, jr. -	Winfield, N. Y.	Smut machine -	February 27
Rhodes, Ryland -	Albemarle county, Va. -	Plough -	February 25
Reynolds, Gideon -	New York -	Thrashing machine -	January 21
Reading, Pierson -	Trenton, N. J. -	Thrashing machine -	April 15
Spooner, Samuel -	Petersham, Mass.	Corn sheller -	February 27
Sheffield, William E. -	New York -	Corn sheller -	April 15
Sadler, George F. -	Lawrence county, Ala. -	Cotton cleaner -	March 10
Smith, Charles -	New York -	Thrashing machine -	September 6
Williams, Simon C. -	Shenandoah county, Va.	Bee hive -	May 14
Watson, Joseph -	Canaan, Ct. -	Hoes -	July 26
Weaver, John -	Washington City, D. C.	Plough for listing and preparing land -	May 8

FACTORY MACHINERY.

Arnold, Asa	New Providence, R. I.	Roving cotton	January 21
Burnap, Lucy	Merrimack, N. H.	Hats, weaving grass for	February 16
Benson, Matthew	Cincinnati, Ohio	Fire fender	May 19
Brazier, John, jr.	Canton, Mass.	Looms, cloth for temples	August 8
Brown, John, jr.	Boston, Mass.	Saws, circular	August 13
Bonnell, Sylvanus	Chatham, Mass.	Saws, circular	September 26
Bryant, William	Mill Creek, Tenn.	Spinning cotton	September 30
Collins, Samuel	Troy, New York	Scrap and bar iron, converting into cast steel	April 10
Cooper, James	Augusta county, Va.	Chains, &c., preventing them from slipping	June 17
Curtis, Philo C.	Paris, N. Y.	Carding and spinning wool	October 15
Delliba, James	Watervliet, N. Y.	Making crucibles	September 26
Eubank, Thomas	New York	Lead, tinned sheet	May 30
Fuller, Elisha	Attleborough, Mass.	Cotton spinner	February 6
Finney, Joshua D.	Keene, N. H.	Easy chair	May 8
Fry, Samuel	New York	Shears with carved edges	November 20
Hopkins, William	Plainfield, Conn.	Cotton whipper	March 6
Ives, Ira	Bristol, Conn.	Manufacturing hair combs	April 5
Losey, Ebenezer L.	New Brunswick, N. J.	Converting iron into steel	November 20
McNamara, Charles	Northbridge, Mass.	Finishing sythes	January 31
Northop, M. M., and R. R.			
Dillon	Newton, N. J.	Fulling cloth	December 4
Prince, William A.	New York	Ingrain carpeting	February 12
Read, Nathan	Belfast, Maine	Spiral spring locks	March 31
Sharrock, John T.	Winchester, Va.	Manufacturing cotton	June 20
Taylor, Joel	Danbury, Conn.	Coloring hats	November 20
Weston, Henry	Philadelphia, Pa.	Pin machine	July 23
Wilcox, Richard	New York	Paper ruling machine	September 4

C.—LIST OF PATENTS EXPIRED—NAVIGATION.

Names of patentees.	Residence.	Inventions or discoveries.	1823.
Clark, Edward -	Philadelphia, Pa.	Navigating and ferrying rivers	June 25
Chittenden, J., and A. W.			
Delano -	Stephenson, N. Y.	Propelling boats	May 1
Godley, Joseph -	Alexandria, N. J.	Navigating rivers	February 22
Huginin, Robert -	Albany, N. Y.	Canal steamboat	March 24
Rotch, Benjamin -	Bristol, England	Fids for ship's masts	December 10
Rogers, Robert -	Dover, N. H.	Chain lanyards	February 6
Renwick, James -	New York	Improvement in internal navigation	November 7
Turner, William A. -	Plymouth, N. C.	Machine for keeping tally	July 12
Townsend, Edward S. -	Palmyra, N. Y.	Towing boats	March 12
Waterman, F. 3d -	Washington, D. C.	Propelling boats by strap wheel	May 29

LAND WORKS.

Church, Othello -	Friendship, N. Y.	Fencing grounds, &c.	July 3
Fairlamb, Jonas P. -	Wilmington, Del.	Saving water in canal locks	November 27
Gilbert Ephraim -	Rochester, N. Y.	Boring rocks	July 22

COMMON TRADES.

Aiken, Herrick -	Brighton, Mass.	Coach and chaise hames.	
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Aiken, Herrick -	Brighton, Mass. -	Knife for splitting leather.
Andrews, Amasa -	Livernore, Maine -	Shingle machine.
Bowlin, William -	Harrisburg, Va. -	Tilt or trip hammer.
Blair, Sherman -	New Haven -	Elastic spring cushion.
Caldwell, Timothy -	Philadelphia, Pa. -	Fire-proof bricks.
Campbell, Ethan -	Philadelphia, Pa. -	Cutting out clothes.
Dinwiddie, Joseph and William -	Concord, Va. -	Spring tree saddles.
Emmons, Uri -	Greene county, N. Y. -	Making casks.
Holmes, Nathaniel -	Barnstable, Mass. -	Sawing stone.
Harry, Peter -	Harrisonburg, Va. -	Saddle tree and spring girth.
Jenckes, John C. -	Providence, R. I. -	Machine for moving sick.
Jennings, Isaiah -	New York -	Sofas or sliding joint settees.
Kurtz, Christopher -	Lancaster, Pa. -	Saddle trees.
Leavitt, Isaac -	Turner, Maine -	Washing machine.
Lanney, Peter -	Baltimore, Md. -	Mode of warming beds.
Miner, Amos -	Camillus, N. Y. -	Pales for fences.
Miner, Amos -	Elbridge, N. Y. -	Machinery for making window sash.
Menefee, John -	Landry parish, La. -	Brick machine.
WHEEL CARRIAGES.		
Bigelow, Lewis -	Petersham, Mass. -	Steam carriages
Blair, Sherman -	New Haven, Conn. -	Wagon
Eames, Daniel W. -	Watertown, N. Y. -	Mail stages
Swann, John B. -	Albany, N. Y. -	Carriages
		August 29
		June 20
		May 8
		July 24

Names of patentees.	Residence.	Inventions or discoveries.	1823.
Clark, Joshua	Westminster, Vt.	Forcing and suction pump	September 11
Dickinson, Eli	Amherst, Mass.	Cock	December 17
Ewing, James	Philadelphia, Pa.	Hydrant	December 19
Gibson, Thomas	Philadelphia, Pa.	Hydrant	December 13
Lacy, John	Philadelphia, Pa.	Cock, piston, and valve	May 6
Mosby, L. H.	Powhattan county, Va.	Water by successive pumps	February 15
Paddleford, John	Lebanon, N. Y.	Forcing pump	May 6
Williams, E., and J. Collins	Falley's Cross Roads, Mo.	Engine, fire and water-proof	June 20
Wilcox, Richard	New York	Engine, pneumo-hydraulic	November 1

CALORIFIC AND STEAM APPARATUS.

Benson, Matthew	Cincinnati, Ohio	Chimney scraper	May 15
Berrien, Daniel	New York	Chimney fire extinguisher	August 21
Belts, H., and J. A. McLean	Norwalk, Conn.	Steam generator	December 24
Cook, Chester	Paris, N. Y.	Still worm	January 11
Conant, John	Brandon, Vt.	Cooking stove	December 13
Ewbank, Thomas	New York	Tin and lead plate pipes for stills	May 9
Farnham, Dudley L.	Albany, N. Y.	Rotary steam engine	February 19
Fougeray, George J.	Philadelphia, Pa.	Stove for burning stone-coal	September 11
Geilhansen, Elias	Halifax township, Pa.	Distilling by steam	January 14
Gillet, Lewis	Copenhagen, N. Y.	Forge and furnace backs	August 21
Gourjon, Lewis	Philadelphia, Pa.	Stove	September 22
Glendenning, Andrew	Butler county, Pa.	Universal boiler	September 25

Jones, Caleb	-	Burlington, Vt. -	-	Stove pipes	-	April 5
Macdonald, Malcolm	-	Fayette county, Pa.	-	Distilling	-	February 19
Miller, John	-	Northampton, Pa.	-	Fire-proof furnace for distillery	-	March 13
Tasker, John	-	Philadelphia, Pa.	-	Stoves	-	February 3
Thayer, Amos, jr.	-	New York	-	Steam engine	-	March 6
Thornton, James	-	Pittsburgh, Pa. -	-	Steam engine, rotary	-	July 16
Thomson, James	-	Pittsburgh, Pa. -	-	Steam engine, rotary	-	July 16

MILLS.

Allen, Adolphus	-	Troy, Pa. -	-	Water wheel	-	February 8
Langdon, B. & J. C., and J. Trash	-	Troy, N. Y. -	-	Grain grinding	-	September 26
Maze, John	-	Greenbrier county, Va. -	-	Vertical water wheel	-	January 10
Mollineux, Jesse	-	New Hempstead, N. Y. -	-	Wind mill	-	January 24
Rice, Wanton	-	Athens, Pa. -	-	Cast-iron spindle, grist mill	-	October 1
Savage, John Y.	-	Raleigh, N. C. -	-	Rectilineal into rotary motion	-	August 9
Smith, Archibald	-	Rhinebeck, N. Y. -	-	Rectilineal into rotary motion	-	August 30
Stedwell, James, 3d	-	Carmel, N. Y. -	-	Wheel crank	-	November 23
Schuyler, P. J., and D. Hitchcock	-	Stillwater, N. Y. -	-	Iron water wheel	-	December 20
Vansant, Abner	-	Jefferson county, Miss. -	-	Water power by spiral wheels	-	September 29

SCREW AND LEVER POWER.

Briggs, Samuel	-	Salem, Mass. -	-	Brick press	-	January 11
Butts, Lorin	-	Canterbury, Conn. -	-	Power, mechanical, mode of applying	-	July 9

C.—LIST OF PATENTS EXPIRED—SCREW AND LEVER POWER—Continued.

Names of patentees.	Residence.	Inventions or discoveries.	1823.
Dodge, William M.	New York	Art of printing	March 6
Reed, Briggs R.	Danvers, Mass.	Brick press	May 29
Ramage, Adam	Philadelphia, Pa.	Letter press for proofs	May 19
ARMS.			
Finch, Joseph	New York	Percussion guns and pistols	April 12
SURGERY.			
Graham, Charles M.	New York	Artificial teeth	March 9
Hull, Amos G.	Utica, N. Y.	Truss	February 27
MATHEMATICAL INSTRUMENTS.			
Goodwin, Nathaniel	Hartford, Conn.	Rectangular protractor	December 24
Vanneni, Joseph	Philadelphia, Penn.	Lottery schemes	October 18

CHEMICAL COMPOSITIONS.

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Eddy, Isaac	Boston, Mass.	Drugs, pulverising	December 31
Galbraith, Joshua	Trenton, N. J.	Tanning	October 15
Hawkins, Joseph	Philadelphia, Penn.	Giving temperature to mineral waters	April 5
Hayden, Horace H.	Baltimore, Md.	Pyroligneous oil and acid, used in tanning	November 26
Jacobs, Leonard	Missouri	Tanning	February 10
Kuapp, William	Milford, N. Y.	Extracting tanning	April 5
Roe, D., C. F. Kellogg, and J. W. Gazley	Cincinnati, Ohio	Extracting tanning	October 3
Thompson, Samuel	Boston, Mass.	Medicine	January 28
Vansant, Abner	Jefferson county, Miss.	Salts, from pot or pearl ash	September 29
FINE ARTS.			
Vannini	Philadelphia, Penn.	Lottery scheme	October 18
Wilcox, R.	New York	Preventing forgeries	September 19

D.

STATEMENT of receipts for patents, caveats, disclaimers, improvements, and certified copies, in the year 1837.

Amount received for patents	-	-	\$24,455 00	
Amount received for caveats	-	-	3,840 00	
Amount received for office fees	-	-	994 08	
			29,289 08	
Deduct paid on withdrawals	-	-	3,320 00	
Nett revenue for 1837	-	-	-	\$25,969 08

E & F.

STATEMENT of expenditures and payments made from the patent fund, by Henry L. Ellsworth, Commissioner, from the 1st of January to the 31st of December, 1837, inclusive.

(E.)				
Under the act of 3d March, 1837.	For restoring records of patents	-	\$1,884 99 $\frac{1}{2}$	
	For draughtsmen	-	4,319 84 $\frac{1}{3}$	
	For examiners and registers	-	2,083 18	
	For drawing instruments & furniture	-	210 31	
	For printing	-	254 00	
	For stationery	-	1,066 33	
	For restored models*	-	565 50	
	For restored drawings	-	147 50	
	For freight of models	-	173 50	
				\$10,705 15 $\frac{5}{6}$
(F.)				
	For salaries	-	13,002 23	
	For contingent expenses	-	2,276 60	
	For furniture, record books, and stationery, to replace those destroyed by fire	-	4,203 00	
				19,481 83
				\$30,186 98 $\frac{5}{6}$

* Many models have been ordered, but not yet delivered or paid for.